

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 85144-103a	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/ CA 03/ 01134	International filing date (day/month/year) 01/08/2003	(Earliest) Priority Date (day/month/year) 05/08/2002
Applicant HOLMEVIK, Don		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

BUOYANCY MOTOR

5. With regard to the **abstract**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

1
☐ None of the figures.

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

An engine device (10) consumes air under pressure to produce usable mechanical power. The device includes a wheel (28) rotatably supported within a tank of fluid (52). A plurality of pockets (40) at spaced positions about a periphery of the wheel are selectively filled with gas on a rising side (30) of the wheel and evacuated of gas on the falling side (32) of the wheel such that buoyancy of gas in the pockets on the rising side of the wheel causes rotation of the wheel to produce usable power at a power take-off shaft (24) of the wheel.

INTERNATIONAL SEARCH REPORT

 International Application No
 PCT/03/01134

 A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 F03B17/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F03B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	(classification of document with indication, where appropriate, of the relevant passages)	Relevant to claim No.
Y	US 3 360 926 A (PARR EDWARD L) 2 January 1968 (1968-01-02)	1-7, 9-19
Y	column 2, line 2 - line 64; figures ---	8
Y	DE 101 09 870 A (APA ABWASSERTECHNIK GMBH) 17 January 2002 (2002-01-17) claim 10 column 3, line 42 ---	1-7, 9-19
Y	WO 81 02330 A (WALKER G) 20 August 1981 (1981-08-20) abstract page 5, line 32 - line 33; figure 1 --- -/--	8

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

20 November 2003

Date of mailing of the international search report

28/11/2003

Name and mailing address of the ISA

 European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Criado Jimenez, F

INTERNATIONAL SEARCH REPORT

International Publication No
PCT/ 3/01134

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 860 355 A (DELL BILLY CLYDE) 14 January 1975 (1975-01-14) column 1, line 46 -column 2, line 38; figures ---	1-4
X	DE 24 30 866 A (TREUSCH EMIL) 8 January 1976 (1976-01-08) page 4, paragraph 5 -page 6; paragraph 1; figures ---	1-3
X	GB 2 229 228 A (MACFARLAND WILBUR BRIAN) 19 September 1990 (1990-09-19) abstract; figure 1. ---	1,2
X,P	US 6 447 243 B1 (KITTLE IRA F) 10 September 2002 (2002-09-10) abstract; figures 1-4 column 3, line 13 - line 16 ---	1-3,6,7
P,A	US 6 534 881 B1 (SLAVCHEV SLAVCHO) 18 March 2003 (2003-03-18) -----	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International

Application No

PCT/

3/01134

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3360926	A	02-01-1968	NONE	
DE 10109870	A	17-01-2002	DE 10109870 A1	17-01-2002
			DE 20121178 U1	25-04-2002
			DE 10102912 A1	14-02-2002
WO 8102330	A	20-08-1981	AU 6784981 A	31-08-1981
			EP 0045315 A1	10-02-1982
			WO 8102330 A1	20-08-1981
US 3860355	A	14-01-1975	NONE	
DE 2430866	A	08-01-1976	DE 2430866 A1	08-01-1976
GB 2229228	A	19-09-1990	NONE	
US 6447243	B1	10-09-2002	NONE	
US 6534881	B1	18-03-2003	NONE	